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 **PALM INTRANET**

Inventor Information for 10/663148

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1	US 7082529 B2	20060725	Method and apparatus for capturing display characteristic information to achieve faster boot and resume of an information handling system	713/100	710/104	Cantwell; Thomas et al.
1	US D523601 S	20060620	Grill scraper	D32/49		Veltrop; Loren J. et al.
1	US D523198 S	20060613	Grill scraper	D32/49		Veltrop; Loren J. et al.
1	US D521200 S	20060516	Grill scraper	D32/49		Veltrop; Loren J. et al.
1	US 6973140 B2	20051206	Maximizing data rate by adjusting codes and code rates in CDMA system	375/298	375/130; 375/295; 714/752	Hoffman; John E. et al.
1	US 6929696 B2	20050816	Apparatus and system for spray coating an article	118/326	118/300; 118/DIG.7	Arvin; James F. et al.
1	US 6909070 B2	20050621	Food product steamer	219/401	126/20; 126/20.1; 126/369; 126/369.2; 219/385; 219/387; 219/391; 219/402; 219/405; 219/407; 219/408; 99/456; 99/483	Veltrop; Loren J. et al.
1	US D505302 S	20050524	Food product slicer	D7/673		Veltrop; Loren J. et al.
1	US 6895914 B2	20050524	Automatic engine priming system for rotary mowers	123/179.11	123/179.13; 261/36.2; 261/DIG.8	Rado; Gordon E. et al.
1	US	20050419	Disposable cleaning	D9/425	D9/423;	Belser;

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1	US 6871377 B2	20050329	Grill scraper	15/236.01	15/143.1; 30/169; D32/48; D32/49	Veltrop; Loren J. et al.
1	US D496586 S	20040928	Disposable cleaning head container	D9/425	D9/415; D9/423; D9/426	Belser; Deborah A. et al.
1	US 6746535 B2	20040608	Apparatus for spray coating a continuously advancing article	118/313	118/309; 118/314; 118/323; 118/324; 118/326	Hasenour; Benjamin W. et al.
1	US 6742363 B1	20040601	Straightening a glass rod for use in making an optical fiber preform	65/377	65/381; 65/404; 65/435	Yamamura; Waichi et al.
1	US 6698386 B1	20040302	Water heater	122/14.31	122/18.3; 122/19.2; 220/567.3	Hoffman; John M.
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1	US 6550281 B1	20030422	Method for providing controlled spin in optical fiber	65/402	57/293; 57/335; 65/504	Hawk; Robert M.
1	US 6546760 B1	20030415	Optical fiber drawing furnace with a zig zag heating element	65/537	219/541; 219/553; 65/374.15	Tsuchiya; Ichiro et al.
1	US 6546756 B1	20030415	Method of making an optical fiber, with storage in a new bag	65/376	65/385	Fewkes; Edward J. et al.
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1	US 6543256 B1	20030408	Optical fiber coupler making apparatus made from zirconia and method	65/407	65/408; 65/410; 65/411; 65/501	Taru; Toshiki et al.
1	US 6536240 B1	20030325	Method of making an optical fiber preform via multiple plasma depositing and sintering steps	65/391	65/421; 65/427	Gousskov; Mikhail Ivanovich et al.
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1	US 6532775 B1	20030318	Method of depositing a layer of silica followed by a step of adding dopant to the layer	65/391	65/399; 65/421	Campion; Jean-Florent et al.
1	US 6532773 B1	20030318	Method of modifying the index profile of an optical fiber preform in the longitudinal direction	65/378	65/382; 65/417; 65/429	Mazzarese; David J et al.
1	US 6520380 B1	20030218	Dispenser for liquid products	222/135	222/137; 222/144.5; 222/472	Veltrop; Loren J. et al.
1	US 6508490 B1	20030121	Universal pipe-tank connection assembly	285/24	285/139.2; 285/197	Hoffman; John
1	US D468152 S	20030107	Food product griller	D7/338	D7/330	Kettman; David L.
1	US 6477970 B1	20021112	Cargo holding system for marine freight vessels	114/73	114/74R	Ayorinde; A. John
1	US 6444071 B1	20020903	Method of fabricating a removable mandrel for filament winding containers	156/155	156/173; 156/175; 264/221; 264/317	Ayorinde; A. John

1	US 6415934 B1	20020709	Food product cooking basket	211/85.4	220/486; 99/416	Veltrop; Loren J. et al.
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1	US 6393868 B1	20020528	Process for the production of sequences of interface layers	65/23	65/38; 65/54	Krauss; Manfred et al.
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1	US 6334338 B1	20020101	Sol gel process of making a fiber preform with removal of oxide particles	65/395	65/412; 65/426	Mandich; Mary Louise et al.
1	US D452159 S	20011218	Bottle	D9/542	D9/558	Belser; Deborah A. et al.
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1	US 6225271 B1	20010501	Black powder gun barrel bore, cartridge, and parts cleaning solution	510/190		Wright, Jr.; Melvin et al.
1	US 6220160 B1	20010424	Ink feeding system and method for a printing, duplicating or like machines	101/350.1	101/364; 101/366; 222/325; 222/327	Weber; David C. et al.
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1	US 6116235 A	20000912	Vapor retention assembly	128/200.24	128/205.12; 128/205.27; 128/205.29; 128/206.16; 128/913	Walters; Mark A. et al.
1	US 6116154 A	20000912	Food pan management system in food warming apparatus	99/483	219/214; 219/400; 312/236; 99/426; 99/448; 99/467; 99/476	Vaseloff; Dennis J.
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1	US 6082816 A	20000704	Chair storage unit	297/188.1	297/188.12; 297/188.13; 297/DIG.6	Gottlieb; Jeremy D. et al.
1	US 6042152 A	20000328	Interface system between composite tubing and end fittings	285/55	285/222.1; 285/239; 285/259	Baldwin; Donald D. et al.
1	US 6019030 A	20000201	Conveyor-type food product toaster	99/386	198/849; 99/393; 99/443C	Kettman; David L.
1	US 5949330 A	19990907	Method and apparatus for displaying sensor outputs in a diagnostic system	340/438	340/459; 340/461; 340/462; 340/525; 701/29	Hoffman; John P. et al.
1	US 5928401 A	19990727	Process of making fibers with a rotary ring furnace above a circular forehearth	65/475	65/134.7; 65/482; 65/540	Drummond; Warren W.
1	US 5900173 A	19990504	Food warming apparatus	219/392	219/214; 219/385; 219/386; 99/483	Robards, Jr.; Chester F.
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1	US 5875499 A	19990302	Recreational vehicle toilet with flush nozzle deflector shield	4/420	4/249; 4/423; 4/438	Hoffman; John A. et al.
1	US 5848604 A	19981215	Thermally responsive pressure relief system	137/72	137/74; 137/79	Eihusen; John A.
1	US 5846283 A	19981208	Delivery apparatus for a glassware forming machine	65/165	65/207; 65/222; 65/225; 65/304; 65/72	Struckmeier; Manfred et al.
1	US 5829428 A	19981103	Methods and apparatus for reducing the loss of	128/200.24	128/204.18; 128/205.12; 128/205.29;	Walters; Mark A. et al.

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1	US 5783803 A	19980721	Food warming apparatus	219/392	219/385; 219/386; 219/521; 99/483	Robards, Jr.; Chester F.
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1	US 5646373 A	19970708	Apparatus for improving the power dissipation of a semiconductor device	174/252	257/E23.105; 361/719; 361/794	Collins; Larry C. et al.
1	US 5630424	19970520	Calibration of segmental blood	600/507		Raines; Jeffrey K. et al.

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1	US 5603261 A	19970218	Water distribution system in an ink flow temperature control system of a printing press arrangement	101/216	101/141; 101/153; 101/174; 101/349.1; 101/487; 34/62	Buenz; Robert J.
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1	US 5566677 A	19961022	Calibration of segmental blood changes in arteries and veins during detection of atherosclerosis	600/507		Raines; Jeffrey K. et al.
1	US 5553709 A	19960910	Container assembly for plastic bottles and the like	206/446	206/196; 206/427; 206/814; 229/120.28	Wharton, Jr.; Paul B. et al.
1	US 5551470 A	19960903	Thermally responsive pressure relief apparatus	137/68.12	137/68.25; 137/74; 220/89.2; 220/89.4	Duvall; Paul F.
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1	US 5478371 A	19951226	Method for producing photoinduced bragg gratings by irradiating a hydrogenated glass body in a heated state	65/384	65/111; 65/30.11; 65/386; 65/392; 65/424; 65/425	Lemaire; Paul J. et al.
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1	US 5371487 A	19941206	Method and apparatus for indicating a changed condition	340/425.5	340/438; 340/459; 340/461; 340/525; 700/12; 701/32; 701/34	Hoffman; John P. et al.
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1	US 5367982 A	19941129	Automatic coating circulation and wash-up system for printing presses	118/46	101/350.6; 101/366; 101/424; 101/425; 118/203; 118/259; 118/302	DeMoore; Howard W. et al.
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1	US 5171388 A	19921215	Apparatus for and method of applying an elastic material to a flexible backing	156/164	156/210; 156/265; 156/285; 156/473; 156/547; 156/552	Hoffman; John W. et al.
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1	US 4896789 A	19900130	Anti-leak fuel cap liner	220/203.17	215/260; 220/DIG.33	Federspiel; Mark E.
1	US 4896634 A	19900130	Phase timed camshaft spray lubrication system	123/90.34	123/196W; 184/6.1; 74/579E; 74/595; 74/605	Kronich; Peter G.
1	US 4896494 A	19900130	Wiring and taping line installation	57/6	57/13; 57/3; 57/58.52; 57/58.63	Cholley; Christophe
1	US 4889475 A	19891226	Twin rotary compressor with suction accumulator	417/350	417/360; 417/902; 418/210	Gannaway; Edwin L. et al.
1	US 4889213 A	19891226	Compliance brake for an internal combustion engine powered implement	477/204	188/166; 188/78; 477/199; 56/11.3	Roller; Lee E.
1	US 4888962 A	19891226	Suction accumulator strap	62/503	417/540; 417/902; 62/295; 62/297	Harper; Harold M. et al.
1	US 4888135 A	19891219	Electrically conductive powder and electrically conductive composition using the same	252/512	252/514; 428/403; 428/407; 523/457; 523/459; 523/512; 524/439	Tsunaga; Masayuki et al.

1	US 4884955 A	19891205	Scroll compressor having oil-actuated compliance mechanism	418/1	418/55.4; 418/57	Richardson, Jr.; Hubert
1	US 4884716 A	19891205	Fuel cap with tethered anti-splash attachment	220/202	220/303; 220/371; 220/DIG.33	Steiner; Ronald O.
1	US 4884545 A	19891205	Fuel injection system for an internal combustion engine	123/447	123/446; 123/497	Mathis; Christian
1	US 4884541 A	19891205	Speed governor for small engines	123/361	123/352; 123/376	Marriott; Lee W.
1	US 4881879 A	19891121	Rotary compressor gas routing for muffler system	417/312	417/313; 417/902; 418/181; 418/63	Ortiz; Arturo L.
1	US 4881519 A	19891121	Hot air oven having infra-red radiant surfaces	126/21A	126/39D; 99/443C; 99/477	Henke; Mitchell C.
1	US 4881496 A	19891121	Valve mechanism lubrication system for horizontal cylinder overhead valve engine	123/90.33	123/196W	Kronich; Peter G.
1	US 4880266 A	19891114	Vehicle ash tray	296/37.9	224/280	Hoffman; John N. et al.
1	US 4877381 A	19891031	Compressor shaft collar through port for pressure equalization between fluid pockets	418/55.6	184/6.18; 384/118; 384/369; 384/99; 418/55.5; 418/94	Johnson; William C. et al.
1	US 4875840 A	19891024	Compressor lubrication system with vent	418/55.5	184/6.18; 418/55.6; 418/88; 418/94	Johnson; William C. et al.
1	US 4875838 A	19891024	Scroll compressor with orbiting scroll member biased by oil pressure	418/55.4	418/55.6; 418/88; 418/94	Richardson, Jr.; Hubert
1	US 4867484 A	19890919	Bodies which use couplings	285/148.14	285/322; 285/382	Guest; John D.

1	US 4864705 A	19890912	Method of making a carburetor	29/888.01	29/412; 29/428; 29/890.142; 29/DIG.47	Guntly; Thomas G. et al.
1	US 4856467 A	19890815	Adjustable lash valve train for overhead valve engine	123/90.43	123/90.41; 123/90.61	Kronich; Peter G.
1	US 4852657 A	19890801	Apparatus for selectively positioning movable work element with preselected maximum velocity control	172/2	91/361; 91/459	Hardy; Gerald D. et al.
1	US 4847635 A	19890711	Large copy sheet feeding system	346/136	271/256; 347/104; 347/3	Jackson; Richard W. et al.
1	US 4846143 A	19890711	Small gas power burner	126/39E	126/21A; 431/354	Csadenyi; George L.
1	US 4842492 A	19890627	Compressor discharge muffler having cover plate	417/312	417/523; 417/540; 417/902; 62/296	Gannaway; Edwin L.
1	US 4840547 A	19890620	Compressor including protective cap for hermetic terminal	417/422	174/138F; 215/320; 417/902; 439/149; 439/892	Fry; Emanuel D.
1	US 4840121 A	19890620	Master holding mechanism for duplicating machines	101/415.1	101/DIG.36	Szczesniak; Stanley J.
1	US 4838769 A	19890613	High side scotch yoke compressor	417/312	417/366; 417/419; 417/902	Gannaway; Edwin L.
1	US 4835849 A	19890606	Method of making an integral internal pressure relief valve	29/888.02	29/428	Morse; Robert L.
1	US 4834632 A	19890530	Compressor valve system	417/534	137/512.15; 137/516.15; 137/852; 417/553; 417/570	Gatecliff; George W. et al.
1	US	19890530	Compressor	417/415	184/6.16;	Gannaway;

	4834627 A		lubrication system including shaft seals		417/534; 417/902	Edwin L.
1	US 4832227 A	19890523	Split lid for sewage basins	220/327		Hoffman; John J.
1	US 4828248 A	19890509	Apparatus for stacking copy sheets in inverted orientation	271/310	271/186	Jackson; Richard W. et al.
1	US 4827725 A	19890509	Suction accumulator with dirt trap	62/503	95/262; 96/206; 96/215	Morse; Robert L.
1	US 4821438 A	19890418	Universal picture support assembly having glass retaining clips	40/793	40/759; D20/43	Lansky; Marc A. et al.
1	US 4819930 A	19890411	Apparatus for stacking copy sheets	271/209	271/186; 271/213; 271/223	Jackson; Richard W. et al.
1	US 4805575 A	19890221	Fuel manifold unit with integrated pressure regulator for the fuel injection system of an internal combustion engine	123/468	123/456; 123/460; 123/467	de Concini; Roberto et al.
1	US 4804213 A	19890214	Tube couplings	285/308	285/320; 285/322	Guest; John D.
1	US 4802411 A	19890207	Adjustable mounting bracket for printing or duplicating machine	101/216	100/168; 101/247; 101/348; 101/350.1	Witczak; Stanley
1	US 4801563 A	19890131	Thermal insulating expanded silicate- hydrate product and method of forming	501/85	106/672; 501/39	White; Eugene M.
1	US 4796841 A	19890110	Fabric reinforced rubber product having molded isolator bushings	248/60		Baker; Louis et al.
1	US 4793457 A	19881227	Snap-on dust shield for automotive compressor clutch	192/112	192/84.961; 474/144; 474/166; 474/273; 74/609	Siewert; Herbert G. et al.

1	US 4791825 A	19881220	Transaxle	74/371		von Kaler; Roland L.
1	US 4783240 A	19881108	Lightweight paper and process for producing same	162/166	106/287.25; 106/287.34; 106/401; 162/167; 162/181.6	Kurokawa; Akio et al.
1	US 4769860 A	19880913	Portable toilet holding tank spout	4/321	206/501; 222/566; 222/567; 222/568; 4/323; 4/460; 4/661	Sargent; Charles L. et al.
1	US 4761902 A	19880809	Universal picture support assembly and method	40/760	40/605; 40/757	Lansky; Marc A. et al.
1	US 4760789 A	19880802	Adjustable roller system for printing or duplicating machines	101/348	100/168; 100/171; 101/247; 101/352.08; 384/258; 384/583	Witczak; Stanley
1	US 4759286 A	19880726	Mounting bracket for printing or duplicating machine roller	101/216	101/350.1; 400/660.2	Witczak; Stanley
1	US 4742365 A	19880503	Ink jet apparatus	347/71	310/328; 310/367	Bartky; W. Scott et al.
1	US 4729308 A	19880308	Convertible moisture/ink system in printing or duplicating machines	101/148	101/350.2	Witczak; Stanley
1	US 4718644 A	19880112	Slag sensor taphole assembly	266/99	266/227	Hoffman; John P. et al.
1	US 4682543 A	19870728	Ink or moisture roller for duplicating machines	101/352.13		Witczak; Stanley et al.
1	US 4682151 A	19870721	Position to duty cycle conversion apparatus and method	341/116	318/661	Hoffman; John P.

1	US 4678597 A	19870707	Chemical cleaning solution and method	510/169	134/22.16; 134/22.19; 134/3; 134/38; 134/41; 134/42; 510/108; 510/372	Kiener; Michael A.
1	US 4677912 A	19870707	Ink fountain preparation station and interchangeable ink fountain system	101/365		Goodwin; Eber L.
1	US 4667949 A	19870526	Sheet stacking device	271/207	271/117; 271/177; 271/209; 271/309	Goodwin; Eber L. et al.
1	US 4661828 A	19870428	Optical imaging head	347/241	347/242; 396/549	Miller, Jr.; Verelyn A. et al.
1	US 4661766 A	19870428	Dual current sensing driver circuit	323/287	318/139; 361/160	Hoffman; John P. et al.
1	US 4641383 A	19870210	Portable toilet holding tank spout	4/323	137/587; 222/533; 222/566; 222/567; 4/321; 4/459; 4/460	Sargent; Charles L. et al.
1	US 4640237 A	19870203	Four stroke piston engine	123/79C	123/295; 123/296; 123/297; 123/301	Schaich; Josef
1	US 4633531 A	19870106	Tension mounting for face guard	2/424	2/9	Nimmons; Kenneth W.
1	US 4632755 A	19861230	Stacked filter cartridge	210/314	210/318; 210/488; 55/489	DeGraffenried; Howard T.
1	US 4613438 A	19860923	Triangular filter cartridge and apparatus	210/323.1	210/346; 210/486; 55/529	DeGraffenreid; Howard T.
1	US 4582030 A	19860415	Mounting recoil starter	123/185.3	185/39; 192/46; 74/577SF; 74/6	Reese; Paul T.
1	US	19860401	One-piece yoke	29/888.044	29/434;	Kaufman;

	4578849 A		thrust bearing for a piston and connecting rod assembly and method utilizing said bearing		29/888.05; 403/155; 74/579R	Vernon R.
1	US 4566743 A	19860128	Drawer slide clip	312/350	312/334.4; 384/20	Henriott; Jay M.
1	US 4559410 A	19851217	Access panel	174/497		Hostetter; David L.
1	US 4558623 A	19851217	Velocity and aftertouch sensitive keyboard	84/689	84/720; 84/DIG.7; 984/345	Buchla; Donald F.
1	US 4557139 A	19851210	Leak detection method and apparatus	73/40.7	73/46; 73/49.1	Cantwell; Thomas et al.
1	US 4554814 A	19851126	Air transfer system and method for a shell press	70/345	72/349; 72/405.07; 72/427	Grow; Arthur L. et al.
1	US 4549072 A	19851022	Proofing or heating cabinet	219/400	219/386; 338/296; 392/365	Brist; Kenneth et al.
1	US 4539469 A	19850903	Oven control circuitry cooling system for a double-stack food preparation oven arrangement	219/412	219/388; 219/400	Gigandet; Richard W.
1	US 4538701 A	19850903	Muffler	181/274	181/282	Lowery; David C. et al.
1	US 4536793 A	19850820	Pulse stretching circuit for a raster display	348/521	327/141; 327/26; 348/529; 386/84	Harshbarger; John H. et al.
1	US 4536792 A	19850820	Method and apparatus for testing a CRT display under beam duty cycle variation	348/189	324/404	Harshbarger; John H.
1	US 4533950 A	19850806	Method of testing the linearity of a raster scan	348/189		Harshbarger; John H.
1	US	19850716	Electro-mechanical	417/313	123/198R;	Farr; James B.

	RE31947 E		device		310/153; 310/74; 417/319; 417/411; 62/323.4	
1	US 4529190 A	19850716	Sheet unloading device	271/213	271/189; 271/218; 271/224	Goodwin; Eber L. et al.
1	US 4526364 A	19850702	Sheet feeding mechanism for duplicating machine with duplexing capability	271/272	403/397; 403/399	Evans; Robert H. et al.
1	US 4519486 A	19850528	Engine flywheel brake toggle mechanism	477/204	56/11.3; 74/491	Hermanson; William O.
1	US 4515606 A	19850507	Gas separating and venting filter	96/6		de Winter; Dirk M.
1	US 4515434 A	19850507	Fiber optic connector	385/65	385/69; 385/88	Margolin; Mark et al.
1	US 4513600 A	19850430	Cam actuated ejector for a shell press	72/345	72/352; 72/427	Grow; Arthur L. et al.
1	US 4509884 A	19850409	Injection nozzle for adhesive materials	405/269	141/293; 141/311R; 425/13; 425/568; 52/742.16; 52/749.13	Trout; John F. et al.
1	US 4507917 A	19850402	Economical engine construction having integrally cast muffler	60/323	181/240; 181/264; 181/272	Kandler; William C.
1	US 4506519 A	19850326	Hermetic compressor discharge line thermal block	62/190	62/509	Morse; Robert L. et al.
1	US 4505108 A	19850319	Integrated hydraulic control circuit for jet engine thrust reverser and variable exhaust nozzle	60/327	60/442; 60/444; 60/452; 91/44; 91/45	Woodruff; Frank et al.
1	US	19850212	Ice block making	211/194	206/513;	Wilson;

	4498595 A		and storage system		206/821; 211/126.9; 211/188	Roland B.
1	US 4495932 A	19850129	Food steam heating apparatus	126/20	99/467; 99/481; 99/483	Bratton; Ronald E.
1	US 4494286 A	19850122	Connecting rod arrangement	29/888.09	123/197.4; 29/423; 29/432.2; 29/434; 29/525; 29/527.6; 29/557; 384/457; 74/579E	Kaufman; Vernon R.
1	US 4494165 A	19850115	Filament composite structures providing lightning strike and electromagnetic protection	361/117	361/212; 361/218	Maheshwari; Mahendra
1	US 4494008 A	19850115	Wind-driven generator	290/44	290/55; 415/5; 416/7	Patton; Bennie N.
1	US 4493237 A	19850115	Electronic piano	84/626	84/617; 84/627; 984/314; 984/323	DeLong; Charles E. et al.
1	US 4475278 A	19841009	Method of assembling a mechanical press having a drop in drive assembly	29/434	29/469; 72/455	Schockman; Robert L. et al.
1	US D275725 S	19841002	Oven	D7/350.1		Henke; Mitchell C. et al.
1	US 4474541 A	19841002	Internal crankcase support for a radial compressor	417/273	92/129; 92/171.1	Siewert; Herbert G.
1	US 4464916 A	19840814	Loop follower straightener control in a press installation	72/19.2	226/44; 72/160; 72/161	Grew; Gary T. et al.
1	US 4463437 A	19840731	Furnace burden thermographic method and apparatus	702/134	340/870.28; 348/164; 348/83; 374/126;	Schenck; Arthur J. et al.

					374/137; 700/209	
1	US 4462383 A	19840731	Impingement food preparation apparatus	126/21A	165/918; 219/388; 219/400; 34/225; 415/218.1; 415/220; 426/314; 426/523; 432/145; 99/443C; 99/468; 99/476	Henke; Mitchell C. et al.
1	US 4461446 A	19840724	Hermetic refrigeration compressor installation and method	248/634	248/638	Hannibal; Billy B. et al.
1	US 4457291 A	19840703	Power burner system for a food preparation oven	126/21A	126/39E; 126/39G	Henke; Mitchell C.
1	US D274392 S	19840626	Stacking chair	D6/379		Blodee; Leif
1	US 4455977 A	19840626	Compression brake system	123/198DC	123/182.1; 123/321; 123/90.17	Kuczenski; Steven R.
1	US 4453009 A	19840605	Process for producing fluorobenzophenone derivatives	568/316	568/323	Yamaguchi; Akihiro et al.
1	US 4450946 A	19840529	Press speed control and indication system	477/14	100/43	Olding; Michael J. et al.
1	US 4443094 A	19840417	Duplicating machine with duplexing capability	101/411	101/218; 101/223; 101/230; 271/184; 271/225; 271/69; 271/902; 355/23; 355/24	Ricciardi; Mario
1	US 4442691	19840417	Double action press having floating	72/329	413/56; 72/328;	Grow; Arthur L. et al.

	A		punch		72/339; 72/453.13; 72/456	
1	US 4438572 A	19840327	Heat duct support assembly for a food preparation oven and method	34/218	34/639; 99/447	Kaminski; Daniel S.
1	US 4421180 A	19831220	Pile driver	173/124	173/131; 173/132; 173/205	Fleishman; Leonard et al.
1	US 4421001 A	19831220	Full note generator system for an electronic organ	84/617	84/637; 84/655; 84/669; 84/DIG.22; 984/348; 984/351	Wilcox; Brian N. et al.
1	US 4419959 A	19831213	Magnetic toner retainer means	399/268	399/264	Westdale; Virgil W.
1	US 4413767 A	19831108	Method of attaching a handle to a cooking vessel	228/136	16/DIG.24; 16/DIG.42; 29/509; 29/522.1; 403/245; 411/504; 411/546; D7/393	Hellinger; David L.
1	US 4412798 A	19831101	Mold clear detector	425/137	164/150.1; 164/154.2; 250/222.1; 250/222.2; 250/559.4; 425/154	Avellino; Frank J. et al.
1	US D270989 S	19831018	Food steamer	D7/350.4		Bratton; Ronald E. et al.
1	US D270930 S	19831011	Electronic insect killer	D22/123		Lee; Man H. et al.
1	US 4408574 A	19831011	Method and apparatus for forming fuel-air mixture in an internal combustion engine	123/26	123/533	Schaich; Josef
1	US	19831004	Valve actuating	137/553	251/129.12;	Wilhelm;

	4407326 A		mechanism		251/81	Raymond L.
1	US 4406593 A	19830927	Mounting spud arrangement for a hermetic compressor	417/363	248/618; 417/902	Kessler; Donald L.
1	US 4406590 A	19830927	Hermetic compressor	417/360	123/193.1; 29/888.02; 417/363; 417/415; 417/902; 92/128	Kessler; Donald L.
1	US 4406210 A	19830927	Jet-propelled missile with single propellant-explosive	89/1.808	102/379; 149/92; 149/95; 42/105	Baker; Alan C. et al.
1	US 4404513 A	19830913	Economical flywheel alternator for trickle charging a small lawnmower battery	322/90	310/153; 310/70A	Campen; Kenneth W.
1	US 4403537 A	19830913	Blind capture system including crescendo control	84/345	84/370; 984/12; 984/340	Fritz; Gary R. et al.
1	US 4403536 A	19830913	Microcomputer interfaced electronic organ	84/655	84/659; 84/666; 84/670; 984/389	Weil, Jr.; Robert A. et al.
1	US 4403435 A	19830913	Release and alignment mechanism for jet- propelled projectiles	42/105	102/483; 89/1.808	Baker; Alan C. et al.
1	US 4396160 A	19830802	Pulp dissolver for the production of pulp suspensions	241/46.17	241/60	Rienecker; Reimund et al.
1	US 4394723 A	19830719	Power supply circuit	363/87	318/803	Hoffman; John P.
1	US 4393350 A	19830712	Method for rapidly detecting subterranean tunnels by detecting a non-null value of a resultant horizontal magnetic field component	324/334	324/345	Hansen; Peder M. et al.

1	US 4392406 A	19830712	Switched capacitor sine wave generator and keyer	84/627	984/322	Fritz; Gary R.
1	US 4388743 A	19830621	Lid handle cover	16/435	38/95	Hellinger; David L. et al.
1	US 4384312 A	19830517	Line break protection for multispeed motor	361/24	318/775; 318/782; 318/783; 361/27; 361/32; 388/822; 388/934	Fry; Emanuel D.
1	US 4383647 A	19830517	Integrated hydraulic control circuit for jet engine thrust reverser and variable exhaust nozzle	239/265.19	244/110B; 60/430; 60/465	Woodruff; Frank et al.
1	US 4383303 A	19830510	Frequency signal conversion apparatus and method	702/147	324/166; 377/20; 377/47	Hoffman; John P.
1	US 4380417 A	19830419	Installation operated with wind or water power	416/108	416/111	Fork; Werner
1	US 4379369 A	19830412	Drying cylinder for machines for making paper and a method for making the drying cylinder	34/110	165/136; 34/119; 34/124	Schiel; Christian
1	US 4376410 A	19830315	Press guide structure	100/214	100/258R; 100/282; 72/455	Wissman; Terry L. et al.
1	US 4375944 A	19830308	Lubricating device for a motor compressor	417/368	184/6.16; 415/88; 415/91; 417/372	Wolf; Rudolf H.
1	US 4375785 A	19830308	Method and apparatus for achieving thermal stability in a press	100/35	100/214; 100/282; 165/47; 184/104.1; 62/DIG.10; 72/455; 74/606A; 83/170	Schoch; Daniel A. et al.

1	US 4368517 A	19830111	Aircraft landing display system	701/16	340/972; 345/419; 434/42; 434/43; 73/178T	Lovering; Peter
1	US 4366748 A	19830104	Air diffuser	454/284		Wilson; Kent D. et al.
1	US 4366739 A	19830104	Pedalboard encoded note pattern generation system	84/713	84/DIG.12; 84/DIG.22; 984/347	DeLong; Charles E. et al.
1	US 4366596 A	19830104	Removable covers for closed loop utensil handles	220/753	38/95; D7/394	Hellinger; David L. et al.
1	US 4364505 A	19821221	Double feed roll lift mechanism	226/154	226/155; 226/177; 226/35	Schockman; Robert L.
1	US 4361065 A	19821130	Integrated central processor for electronic organ	84/617	84/115; 84/637; 84/655; 84/669; 84/DIG.12; 84/DIG.22; 984/348; 984/351	Wilcox; Brian N. et al.
1	US 4360402 A	19821123	Process and apparatus for preparing waste paper for reuse	162/5	162/29; 210/195.1; 210/703; 210/712; 210/806; 210/928	Ortner; Herbert et al.
1	US 4359948 A	19821123	Knock-down pallet and stringer attaching mechanism	108/56.1	108/901; 403/347; 52/668; 52/799.14	Judy; Paul E. et al.
1	US D266929 S	19821116	CRT Data terminal with magnetic card reader	D14/335	902/22	Coppola; John B. et al.
1	US D266896 S	19821116	Holder for a utensil lid handle	D7/393		Hellinger; David L. et al.
1	US D266895 S	19821116	Holder for a stockpot handle	D7/394		Hellinger; David L. et al.
1	US 4358254	19821109	Variable capacity compressor	417/419	310/114; 417/426	Hannibal; Billy B.

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1	US 4358251 A	19821109	Split crankcase radial automotive compressor	417/319		Gannaway; Edwin L.
1	US 4357980 A	19821109	Venetian blind	160/168.1R	160/176.1R	Rapp; Clifton
1	US 4355312 A	19821019	Radar signal processor	342/94	342/197	Bosi; Gerald L. et al.
1	US 4353372 A	19821012	Medical cable set and electrode therefor	600/393	174/117FF; 174/117R; 174/268; 439/77; 439/822; 600/509; D24/168	Ayer; George E.
1	US 4350090 A	19820921	Motorized and micro feed length adjustment for a press feed	100/216	226/142; 74/600; 83/244	Busse; Vernon E. et al.
1	US 4350083 A	19820921	Heat barrier for refrigeration compressor piston	92/238	92/187	Gannaway; Edwin L.
1	US 4348585 A	19820907	Frequency/speed controller	377/2	377/45; 388/814; 388/900; 388/907.5; 388/912	Hoffman; John P.
1	US 4344543 A	19820817	Reinforced plastic tank	220/565	220/4.13; 220/62.19; 52/247; 52/248; 52/249	Hoffman; John J.
1	US 4337135 A	19820629	Barrel plating apparatus	204/213		Quinton; Carrol D. et al.
1	US 4336977 A	19820629	Crimped connector assembly for fiber optic cables	385/87	174/84C; 385/69; 439/421; 439/442; 439/449	Monaghan; Kevin J. et al.
1	US 4334730 A	19820615	Insulated from ground bulkhead adapter	439/551	439/736	Colwell; William L. et al.
1	US	19820615	Apparatus for	29/753	29/761;	Holt; Harley

	4334353 A		assembling electrical cables to electrical connectors		72/452.2	R.
1	US 4332257 A	19820601	Medical clip and electrode constructions	600/395	600/391	Ayer; George E.
1	US 4330784 A	19820518	Variable waveguide continuous slot antenna	343/771		Ryno; Gaylon E. et al.
1	US 4330239 A	19820518	Compressor muffler	417/312	181/272; 181/403	Gannaway; Edwin L.
1	US 4328095 A	19820504	Apparatus for reprocessing old paper	209/169	210/221.1	Ortner; Herbert et al.
1	US 4326839 A	19820427	Cylinder unloading mechanism for refrigeration compressor	417/295	417/507	Fry; Emanuel D. et al.
1	US 4322121 A	19820330	Screw-coupled electrical connectors	439/312	285/91; 439/489	Riches; Arthur J. et al.
1	US 4320005 A	19820316	Coalescer or filter end cap	210/232	210/DIG.5	DeGraffenreid; Howard T.
1	US 4319802 A	19820316	Stain relief for fiber optic connectors	385/86	385/136; 385/87	Bowes; Kenneth F.
1	US 4318586 A	19820309	Distributive couplers for fiber optics	385/46	385/33; 385/54; 385/56	Coyne; Lawrence J.
1	US 4318326 A	19820309	Plural manual organ having transposer	84/685	84/445; 84/655; 84/657; 84/682; 984/332; 984/338; 984/347	Howell; Stephen L.
1	US 4318215 A	19820309	Conductor terminating apparatus	29/566.3	29/749; 29/751; 29/753	Holt; Harley R.
1	US 4316705 A	19820223	Housing assembly for split crankcase radial compressor	417/273	92/171.1	Siewert; Herbert G.
1	US	19820202	Anti-slug suction	417/312	417/902;	Richardson,

	4313715 A		muffler for hermetic refrigeration compressor		55/385.1; 55/458; 96/384	Jr.; Hubert
1	US 4312828 A	19820126	Method for opening die sections	264/349	264/334	Flickinger; William T. et al.
1	US 4306449 A	19811222	Apparatus for controlling a member	73/116	701/99	Hoffman; John P.
1	US D262314 S	19811215	Fan	D23/382		Patton; Noel T. et al.
1	US 4302861 A	19811201	Method of making a shoe buildup	12/142S	12/142RS; 12/146BR; 36/11.5; 36/30R	Coppock; Earl E.
1	US D262051 S	19811124	Portable toilet	D23/299		Sargent; Charles L. et al.
1	US 4301703 A	19811124	High note data generator	84/655	327/414; 327/99; 84/656; 84/DIG.2; 984/334; 984/339	Howell; Stephen L.
1	US 4300514 A	19811117	Device for vaporizing fuel and controlling the temperature of the fuel in an internal combustion engine	123/557	123/296	Schaich; Josef
1	US 4300436 A	19811117	Blind capture system	84/345	84/370; 984/12; 984/340	Fritz; Gary R. et al.
1	US 4299792 A	19811110	Injection molding process utilizing low shear screw	264/328.18	264/73; 264/75; 366/90	Nunn; Robert E.
1	US 4299154 A	19811110	Electronic rhythm generator	84/635	84/611; 84/651; 84/DIG.12; 984/352	Dietrich; Ralph N. et al.
1	US 4298307 A	19811103	Air float power rotation system	414/676	104/36; 198/345.1; 198/379; 269/20; 414/744.4	Bergman; Raymond A.

1	US 4296666 A	19811027	Solo sustain keyer system	84/655	84/663; 84/682; 984/330	Wilcox; Brian N. et al.
1	US 4296665 A	19811027	Fill note generator for electronic organ	84/655	84/669; 84/682; 84/715; 984/348	Howell; Stephen L.
1	US 4290020 A	19810915	Method and apparatus for detecting subterranean anomalies by generating two parallel magnetic fields	324/334	324/345	Hansen; Peder M. et al.
1	US 4288077 A	19810908	Horse race lottery game	273/246	273/138.1	Rose; William A. et al.
1	US 4285600 A	19810825	Injection molding machine with multichannel wave screw	366/89	425/208	Kruder; George A.
1	US 4280972 A	19810728	Combination thermoplastic and glass loaded thermosetting injection molding machine and method for operating same	264/39	264/297.2; 264/328.18; 264/328.4; 425/185; 425/190; 425/192R	Bishop; Thomas G.
1	US 4279255 A	19810721	Localized body heat applicator device	607/112	219/211; 219/527; 219/528; 219/535; 219/549	Hoffman; John C.
1	US 4277182 A	19810707	Extruder with short cycle multichannel wave screw	366/89	366/323; 425/208	Kruder; George A.
1	US 4275983 A	19810630	Air float fixture clamping system	414/676	198/345.3; 269/20; 269/329	Bergman; Raymond A.
1	US 4273519 A	19810616	Split crankcase radial automotive compressor	417/273	92/171.1	Gannaway; Edwin L.
1	US 4271895	19810609	Automatic part loader unit for	164/109	164/303; 164/332	Cole; James C. et al.

	A		multi-cavity rotor die and method of operation			
1	US 4270431 A	19810602	Glide circuit for electronic musical instrument	84/704	984/314	Southard; James S. et al.
1	US 4269381 A	19810526	Portable cook book holder	248/465.1	211/181.1; 248/246; 248/249; 248/302; 248/451; 312/233	Harms; John F.
1	US 4267916 A	19810519	Coin identification system	194/317	194/205; 194/334	Black; Charles H. et al.
1	US 4267759 A	19810519	Tool safety lock ring	83/665	144/218	Sullivan; Richard D. et al.
1	US 4263756 A	19810428	Building element	52/11	52/731.7	Middleby; David M.
1	US 4262575 A	19810421	Quasi-random phase shift system for an electronic musical instrument	84/708	84/664; 84/DIG.4; 984/326; 984/381	Bean; Eric R.
1	US D258861 S	19810414	Grip for a panhandle	D7/387	D7/395; D8/303	Bratton; Ronald E. et al.
1	US 4257863 A	19810324	Gas sensors and method of making such sensors	204/429	204/427; 427/123; 427/125; 427/126.1	Hoffman; John W.
1	US 4256689 A	19810317	Injection moulding method and apparatus with mould runner reservoir and shot extension	264/328.8	425/558	Gardner; Victor T.
1	US 4252506 A	19810224	Variable capacity compressor	417/419	310/114; 417/426	Hannibal; Billy B.
1	US 4252394 A	19810224	Hermetic compressor motor terminal	439/566	174/152GM; 310/68C; 337/181; 361/24; 439/884;	Miller; Austin S.

					439/926; 439/935	
1	US 4240781 A	19801223	Injection molding machine having dual tonnage traversing cylinder	425/450.1	425/451.2; 425/590	Flickinger; William T. et al.
1	US 4236437 A	19801202	Organ brass pulse keyer	84/653	84/662; 84/663; 84/DIG.23; 984/314; 984/322	Howell; Stephen L. et al.
1	US 4236436 A	19801202	Electronic music synthesizer	84/660	84/661; 84/663; 84/DIG.10; 84/DIG.20; 84/DIG.9; 984/340; 984/377	Dietrich; Ralph N. et al.
1	US 4233495 A	19801111	Food warming cabinet	219/386	126/21A; 219/400; 312/236	Scoville; John R. et al.
1	US 4232926 A	19801111	Locking mechanism for coupling and uncoupling electrical connectors	439/157		Inouye; Hiromasa et al.
1	US 4231623 A	19801104	Steel connecting rod bearing liner for internal combustion engines	384/429		Kaufman; Vernon R.
1	US 4231526 A	19801104	Process and apparatus for treating waste paper	241/28	162/4; 162/55; 209/3; 241/29; 241/46.17; 241/78	Ortner; Herbert et al.
1	US 4228714 A	19801021	Multiplex chime generator	84/682	84/702; 984/332; 984/341	Howell; Stephen L.
1	US D257385 S	19801014	Toilet	D23/299		Sargent; Frank T. et al.
1	US 4226582 A	19801007	Process and apparatus for the instantaneous combustion of	431/239	239/138; 48/180.1	Mendoza; Fausto C.

			diafanous liquid petroleum, diesel or similar fuels			
1	US 4222687 A	19800916	Apparatus for boring sewer pipe opening in manhole base	408/79	173/35; 408/87; 408/88	Williams; Richard L.
1	US 4222531 A	19800916	Wood pulper with constant wood feed	241/281	144/181; 144/246.1	Thumm; Helmut
1	US 4222318 A	19800916	Combination window and floor fan	454/209	248/126; 248/245; 416/247R	Patton; Noel T. et al.
1	US 4220068 A	19800902	Method and apparatus for rhythmic note pattern generation in electronic organs	84/682	84/713; 84/715; 84/DIG.12; 84/DIG.22; 984/348	Howell; Stephen L. et al.
1	US 4217801 A	19800819	Solo sustain keyer system	84/655	84/663; 84/DIG.11; 84/DIG.23; 84/DIG.8; 984/309	Wilcox; Brian N. et al.
1	US 4217668 A	19800819	Portable toilet	4/321	4/323; 4/434	Sargent; Charles L. et al.
1	US 4216056 A	19800805	Paper machine having a water extraction box extension	162/300	162/317; 162/364	Nykopp; Erik A.
1	US 4214949 A	19800729	Supporting device for a strainer belt	162/352	162/374	Schiel; Christian et al.
1	US 4213013 A	19800715	Telephone network/subscriber interface device	379/383	361/826; 379/328; 439/49	Perna; Giulio E. et al.
1	US 4211251 A	19800708	Automatic purging system	137/565.16	137/209; 219/433; 219/437; 219/496; 219/521; 219/535; 220/592.27; 220/88.3; 222/53	Rickert; Raymond E. et al.
1	US	19800701	High note priority	84/682	84/617;	Howell;

	4210054 A		monophonic brass keyer system		84/655; 84/DIG.2; 84/DIG.20; 984/328; 984/332	Stephen L. et al.
1	US 4209080 A	19800624	Snap-fit lubricant pick-up tube for a motor compressor	184/6.16	285/319; 415/88; 417/372; 417/902	Douglas; James L.
1	US 4208175 A	19800617	Coextrusion feedblock and process	425/131.1	425/146; 425/462	Rosenbaum; Larry A.
1	US 4205582 A	19800603	Percussion envelope generator	84/687	84/702; 84/711; 984/322; 984/377	Howell; Stephen L. et al.
1	US 4205581 A	19800603	Keyer system	84/679	84/682; 84/703; 84/DIG.23; 84/DIG.8; 984/322	Robinson; John W.
1	US 4203339 A	19800520	Brass keyer system for electronic organ	84/702	84/705; 84/DIG.23; 984/311; 984/328	Welsh; Alan B. et al.
1	US 4202595 A	19800513	Electrical connector	439/493	439/259; 439/310; 439/417; 439/656	Inouye; Hiromasa et al.
1	US 4202236 A	19800513	Chord pattern generator	84/627	84/637; 84/650; 84/663; 84/DIG.12; 84/DIG.22; 984/347	Wilcox; Brian N. et al.
1	US 4194799 A	19800325	Mounting unit for free arm sewing machine	312/21	112/217.1; 312/208.5; 312/22; 312/27	White; Eugene M.
1	US 4191083 A	19800304	Method and apparatus for memorizing an accompaniment passage	84/611	84/613; 84/DIG.12; 84/DIG.22; 984/304; 984/348	Wilcox; Brian N. et al.
1	US 4189973	19800226	Electronic expression control	84/711	330/126; 330/130;	Doane; Patrick K.

	A				330/131; 330/151; 381/109; 984/331; 984/354	
1	US 4187756 A	19800212	Automatic arpeggiator	84/655	84/666; 84/669; 84/DIG.22; 984/342	Robinson; John W. et al.
1	US 4186639 A	19800205	Rhythm generator for electronic organ	84/635	84/611; 84/651; 84/DIG.12; 984/351	Robinson; John W. et al.
1	US 4185530 A	19800129	Automatic glissando	84/704	84/713; 84/715; 84/721; 984/342	Robinson; John W. et al.
1	US 4182376 A	19800108	Device for dispensing a liquid flowing through a substantially vertical tube	137/874	137/357; 137/561A; 52/16	Nilsson; Bernt
1	US 4182136 A	19800108	Suction accumulator	62/503	96/198	Morse; Robert L.
1	US 4181929 A	19800101	Portable illuminating tower	362/192	248/167; 362/234; 362/413; 362/431	Barber; Gerald L. et al.
1	US 4180876 A	19800101	Portable toilets	4/321	4/323; 4/458	Sargent; Frank T. et al.
1	US 4179630 A	19791218	Linear compressor	310/15	310/30; 417/416; 417/417	Stuber; Richard A.
1	US 4179106 A	19791218	Apparatus for locating and clamping a work member supporting fixture	269/20	414/676	Bergman; Raymond A.
1	US 4176790 A	19791204	Composition for and method of causing rainfall	239/2.1	516/4	Osorio; Manuel M.
1	US 4174828 A	19791120	Bayonet clamping apparatus for machine tools	269/34	269/157; 269/20; 269/241;	Bergman; Raymond A.

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1	US 4173417 A	19791106	Extrusion apparatus and method	366/89	366/323; 425/208	Kruder; George A.
1	US 4173163 A	19791106	Tone generator for electronic organ	84/648	84/675; 84/DIG.11; 984/381	Howell; Stephen L.
1	US 4171588 A	19791023	Plastic carrying case for a fishing rod and reel	43/26	206/315.11	Hoffman; John A. et al.
1	US 4169225 A	19790925	Electric heating apparatus with automatic purging system	219/535	137/209; 219/433; 219/437; 219/496; 219/521; 220/88.3; 222/53	Rickert; Raymond E. et al.
1	US 4167774 A	19790911	Hoods for record players	362/87	362/155; 362/396	Knuchel; Paul et al.
1	US 4163567 A	19790807	Vehicle, especially amusement vehicle	280/208	180/218; 180/6.5	Barber; Gerald L.
1	US 4161380 A	19790717	Injection molding process control	425/145	425/149	Bishop; Thomas G.